From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

LEANDRO ARECHEDERRA **EXXONMOBIL CHEMICAL COMPANY** LAW TECHNOLOGY PO BOX 2149 BAYTOWN, TX 77522-2149

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing (day/month/year)

1 FEB 2005

Applicant's or agent's file reference IMPORTANT NOTIFICATION 2003B133A International application No.

International filing date (day/month/year) Priority date (day/month/year)

PCT/US03/40340

19 December 2003 (19.12.2003)

20 December 2002 (20.12.2002)

Applicant

EXXONMOBIL CHEMICAL PATENTS INC.

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide PATENT LEGAL ASSISTANT GROUP G. M. CARROLL

Applicant's Guide.

FEB 1 4 2005

EMCLT BAYTOWN

Name and mailing address of the IPEA/US

Mail Stop PCT, Attn: IPEA/US Commissioner for Patents

P.O. Box 1450 Alexandria, Virginia 22313-1450

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Telephone No. (571) 272-1700

Form PCT/IPEA/416 (July 1992)



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2003B133A	FOR FURTHER ACTION		on of Transmittal of International examination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/month/year)		Priority date (day/month/year)					
PCT/US03/40340	19 December 2003 (19.12.2003)		20 December 2002 (20.12.2002)					
International Patent Classification (IPC) or national classification and IPC								
IPC(7): C08F 2/06,4/44,4/64,4/68 and US Cl.: 526/90,98,124.3,125.7,144,185,206,226,169.2,166								
Applicant								
EXXONMOBIL CHEMICAL PATENTS	S INC.							
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.								
2. This REPORT consists of a total of $\frac{3}{2}$ sheets, including this cover sheet.								
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of 6 sheets.								
3. This report contains indications relating to the following items:								
I Basis of the repo	I Basis of the report							
II Priority	II Priority							
III Non-establishme	ent of report with regard to nov	elty, inventive	step and industrial applicability					
IV Lack of unity of	invention							
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
VI Certain documents cited								
VII Certain defects in the international application								
VIII Certain observations on the international application								
Date of submission of the demand	Date	of completion	of this report					
16 July 2004 (16.07.2004)		27 January 2005 (27.01.2005)						
Name and mailing address of the IPEA/U Mail Stop PCT, Attn: IPEA/US	JS Author	Authorized officer						
Commissioner for Patents P.O. Box 1450	Rober	to Rábago	You!					
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Teleph	one No. (571)	272-1700					
Form PCT/IPEA/409 (cover sheet)(July 1998)								



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US03/40340

I.	Basi	s of the report				
1.	With	regard to the elements of the international application:*				
	\boxtimes	the international application as originally filed.				
	\boxtimes	the description:				
		pages 1-96 as originally filed				
		pages NONE , filed with the demand pages NONE , filed with the letter of				
	\square	the claims:				
		pages 97-111 , as originally filed				
		pages NONE, as amended (together with any statement) under Article 19				
		pages NONE, filed with the demand				
	<u> </u>	pages NONE , filed with the letter of				
	\bowtie	the drawings:				
		pages 1-3 , as originally filed pages NONE , filed with the demand				
		pages NONE , filed with the letter of				
		the sequence listing part of the description:				
	ш	pages NONE , as originally filed				
		pages NONE, filed with the demand				
		pages NONE, filed with the letter of				
2.		regard to the language, all the elements marked above were available or furnished to this Authority in the gage in which the international application was filed, unless otherwise indicated under this item.				
		e elements were available or furnished to this Authority in the following language which is:				
	\Box	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).				
	Ħ	the language of publication of the international application (under Rule 48.3(b)).				
	H	the language of the translation furnished for the purposes of international preliminary examination (under Rules				
	لنا	55.2 and/or 55.3).				
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the					
	international preliminary examination was carried out on the basis of the sequence listing:					
contained in the international application in printed form.						
		filed together with the international application in computer readable form.				
	Щ	furnished subsequently to this Authority in written form.				
	Ц	furnished subsequently to this Authority in computer readable form.				
The statement that the subsequently furnished written sequence listing does not go beyond the disc						
	_	international application as filed has been furnished.				
		The statement that the information recorded in computer readable form is identical to the written sequence listing				
		has been furnished.				
4.	Ш	The amendments have resulted in the cancellation of:				
		the description, pages NONE				
		the claims, Nos. NONE				
		the drawings, sheets/fig NONE				
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go				
		beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
this	repo	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in reas "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). eplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				
	2.05.71					



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/40340

1. STATEMENT Novelty (N) Claims 1-21,26,27,33 and 34 YES Claims 1-21,26,27,33 and 35-58 NO Inventive Step (IS) Claims 22-25,28-32 and 34 YES Claims 1-21,26,27,33 and 35-58 NO Industrial Applicability (IA) Claims 1-58 YES Claims NONE NO 2. CITATIONS AND EXPLANATIONS The following references cited on the ISR are discussed: D1: Halasa (US 4,248,988) D2: Clough et al. (US 5,780,565) D3: Falchie et al. (US 5,780,783) Claims 1-6, 8-11, 20, 21, 26, 27, 33, 35-46, 48-50 and 52-58 lack novelty under PCT Article 33(2) as being anticipated by D1. The reference discloses olefin polymerization in the presence of an HFC diluent and a Lewis acid compound (see col. 1, line 34 through col. 2, line 37, col. 5, lines 18-19 and Examples 1, III, and IV(d)). Claims 1-17, 19-21, 26, 27, 33, and 35-58 lack novelty under PCT Article 33(2) as being anticipated by D2. The reference discloses olefin polymerization in the presence of an HFC diluent and a Lewis acid compound (see col. 4, line 2 through col. 9, line 59, col. 13, lines 12-6). Claims 1-6, 8-10, 14-21, 26, 27, 33, 35-37, 42-46 and 48-57 lack novelty under PCT Article 33(2) as being anticipated by D3. The reference discloses olefin polymerization in the presence of an HFC diluent and a Lewis acid compound (see col. 4-7). Claims 1-6, 8-10, 14-21, 26, 27, 33, 35-37, 42-46 and 48-57 lack novelty under PCT Article 33(2) as being anticipated by D3. The reference discloses olefin polymerization in the presence of an HFC diluent and a Lewis acid compound (see col. 4-7). Claims 1-5, 8-80, 14-21, 26, 27, 33, 35-37, 42-46 and 48-57 lack novelty under PCT Article 33(2) as being anticipated by D3. The reference discloses olefin polymerization in the presence of an HFC diluent and a Lewis acid compound (see col. 4-7). Claims 1-5, 8-80, 14-21, 26, 27, 33, 35-37, 42-46 and 48-57 lack novelty under PCT Article 33(2) as being anticipated by D3. The reference discloses olefin polymerization in the presence of an HFC diluent and a Lewis acid compound (see col. 4-1).	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
Claims 1-21,26,27,33 and 35-58 NO Industrial Applicability (IA) Claims 22-25,28-32 and 34 YES Claims 1-21,26,27,33 and 35-58 NO Industrial Applicability (IA) Claims 1-58 YES Claims NONE NO 2. CITATIONS AND EXPLANATIONS The following references cited on the ISR are discussed: D1: Halasa (US 4,248,988) D2: Clough et al. (US 5,780,565) D3: Falchi et al. (US 5,728,783) Claims 1-6, 8-11, 20, 21, 26, 27, 33, 35-46, 48-50 and 52-58 lack novelty under PCT Article 33(2) as being anticipated by D1. The reference discloses olefin polymerization in the presence of an HFC diluent and a Lewis acid compound (see col. 1, line 54 through col. 2, line 37, col. 5, lines 18-19 and Examples I, III, and IV(d)). Claims 1-17, 19-21, 26, 27, 33, and 35-58 lack novelty under PCT Article 33(2) as being anticipated by D2. The reference discloses olefin polymerization in the presence of an HFC diluent and a Lewis acid compound (see col. 4, line 2 through col. 9, line 59, col. 13, lines 1-26). Claims 1-6, 8-10, 14-21, 26, 27, 33, 35-37, 42-46 and 48-57 lack novelty under PCT Article 33(2) as being anticipated by D3. The reference discloses olefin polymerization in the presence of an HFC diluent and a Lewis acid compound (see col. 4-7). Claims 22-25, 28-32 and 34 the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the embodiments of these dependent claims. Claims 1-58 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.	1. STATEMENT								
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Industrial Applicability (IA) Claims Claims	Inventive Step (IS)	Claims	22-25,28-32 and 34	YES					
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Form PCT/IPEA/409 (Box V) (July 1998)